

Atty Dkt No.: 2000P07532US02
Serial No.: 09/742,696

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A system[[,]] comprising:

a software dispatcher in a telephony Internet server coupled between a packet network and a private branch exchange, the software dispatcher configured to dynamically add software system application features associated with and balance system workload between said private branch exchange and said packet network and adapted to maintain a list of message receivers; and

a plurality of message ~~receivers~~, ~~said message~~ receivers adapted to identify to said software dispatcher particular messages for receiving;

said software dispatcher adapted to send messages synchronously and asynchronously.

2. (currently amended) The [[A]] system in accordance with claim 1, wherein said software dispatcher is adapted to save asynchronous messages for later transmission in one or more logical message queues.

3. (currently amended) The [[A]] system in accordance with claim 2, wherein messages are dispatched in order of their priority.

4. (currently amended) The [[A]] system in accordance with claim 2, sent said messages being sent as flexible message parameters comprising name, type, and value fields.

5. (currently amended) The [[A]] system in accordance with claim 4, wherein said value field further comprises ~~can comprise~~ another flexible message parameter.

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6. (currently amended) The ~~[[A]]~~ system in accordance with claim 1, wherein said software dispatcher maintains said list as a list of unique integers identifying which receivers are to receive particular messages.

7. (Previously Presented) A method, comprising:

maintaining a list of message receivers at a software dispatcher, said software dispatcher configured to dynamically add software features to software subsystems and balance workload between a packet network and a private branch exchange, said message receivers comprising software subsystems, said list comprising a list of integers identifying which receivers are to receive particular messages, said receivers registering to receive predetermined messages with said dispatcher; and

dispatching messages to said message receivers synchronously and asynchronously.

8. (currently amended) The ~~[[A]]~~ method in accordance with claim 7, said asynchronously dispatching messages comprising saving asynchronous messages for later transmission in one or more logical message queues.

9. (currently amended) The ~~[[A]]~~ method in accordance with claim 8, comprising dispatching messages in order of priority.

10. (currently amended) The ~~[[A]]~~ method in accordance with claim 9, wherein the step of ~~[[said]]~~ dispatching messages comprises ~~comprising~~ dispatching messages as flexible message parameters comprising name, type, and value fields.

11. (currently amended) The ~~[[A]]~~ method in accordance with claim 10, wherein said value field further comprises ~~can comprise~~ another flexible message parameter.

12. (Previously Presented) A telecommunication system, comprising:

a private branch exchange;

a server coupled to the private branch exchange, the server adapted to interface the private branch exchange to a packet network, the server including a software dispatcher adapted

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to receive and dispatch one or more messages for dynamically adding software features to one or more software subsystems and to balance system workload, the dispatcher identifying and distributing the messages by unique integer and node.

13. (currently amended) The ~~[[A]]~~ telecommunications system in accordance with claim 12, wherein said one or more software subsystems provide said dispatcher with an identification of a message to be delivered and said dispatcher identifies a destination.

14. (currently amended) The ~~[[A]]~~ telecommunications system in accordance with claim 12, wherein said dispatcher maintains a list of messages and registered receivers.

15. (currently amended) The ~~[[A]]~~ telecommunications system in accordance with claim 12, wherein said one or more software subsystems are adapted to register with said dispatcher for receiving particular messages.

16. (currently amended) A system~~[[,]]~~ comprising:

a software dispatcher configured to dynamically add software system features and balance workload between a packet network and a private branch exchange, the software dispatcher adapted to maintain a list of message receivers, the message receivers including one or more software applications; and

a plurality of message ~~receivers~~, said message receivers adapted to identify to said software dispatcher particular messages for receiving;

said software dispatcher adapted to send messages synchronously and asynchronously.